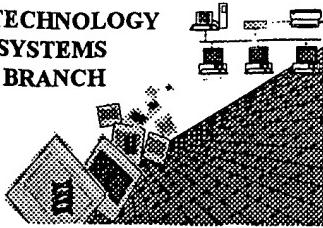


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101680,755
Source: Qipc
Date Processed by STIC: 10-24-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/2003



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003
TIME: 09:30:38

Input Set : A:\pto.pg.txt
Output Set: N:\CRF4\10242003\J680755.raw

```

4 <110> APPLICANT: Thompson, Penny J.
5      Sheppard, Paul O.
7 <120> TITLE OF INVENTION: Uses of Human Zven Antagonists
10 <130> FILE REFERENCE: 02-22
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/680,755
C--> 12 <141> CURRENT FILING DATE: 2003-10-07
12 <150> PRIOR APPLICATION NUMBER: 60/416,719
13 <151> PRIOR FILING DATE: 2002-10-07
15 <150> PRIOR APPLICATION NUMBER: 60/416,718
16 <151> PRIOR FILING DATE: 2002-10-07
18 <150> PRIOR APPLICATION NUMBER: 60/434,116
19 <151> PRIOR FILING DATE: 2002-12-16
21 <150> PRIOR APPLICATION NUMBER: 60/433,918
22 <151> PRIOR FILING DATE: 2002-12-16
24 <150> PRIOR APPLICATION NUMBER: to be determined
25 <151> PRIOR FILING DATE: 2003-10-03
W--> 27 <150> PRIOR APPLICATION NO: to be determined
28 <151> PRIOR FILING DATE: 2003-10-03
30 <160> NUMBER OF SEQ ID NOS: 29
32 <170> SOFTWARE: FastSEQ for Windows Version 4.0

```

**Does Not Comply
Corrected Diskette Needed**

ERRORED SEQUENCES

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94 <210> SEQ ID NO: 2
95 <211> LENGTH: 108
96 <212> TYPE: PRT
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 2
100 Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu Pro
101   1           5           10          15
102 Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile Thr Gly
103       .        20           25          30
104 Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val
105     35           40          45
106 Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu
107     50           55          60
108 Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg
109   65           70           75          80
110 Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg
111     85           90          95
112 Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
113     100          105

```

<210> 3

Insert Hard Return
Format errors

Please ensure that file is
Saved to ASCII text format 10/24/03

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003
TIME: 09:30:38

Input Set : A:\pto.pg.txt
Output Set: N:\CRF4\10242003\J680755.raw

114 <211> LENGTH: 324
 115 <212> TYPE: DNA
 116 <213> ORGANISM: Artificial Sequence
 118 <220> FEATURE:
 119 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid
 120 sequence of SEQ ID NO:2.

X3 score
w--> 122 <221> NAME/KEY: misc_feature

123 <222> LOCATION: (1)...(324)
 124 <223> OTHER INFORMATION: n = A,T,C or G

X3 score
w--> 126 <210> SEQ ID NO:

X3 score
w--> 126 <400> 3

X3 score
w--> 127 atgmgnwsny tntgytgygc nccnytnytn ytnytnytn tnytnccncc nytnytnytn 60
 128 acnccnmngng cnggngaygc ncngtnath acnngngcnt gygayaarga ywsncartgy 120
 129 gngggnggna tigtgytgygc ngttnwsnath tggtnaarw snathmgnat htgyacnccn 180
 130 atgggnaary tnggngayws ntgycayccn ytnacnmgna argtnccntt ytttyggnmgn 240
 131 mgnatgcayc ayacntgycc ntgyytnccn ggnytnngcnt gyytnmgnac nwsnttyaay 300
 132 mgnttyatht gyytngcnca raar 324

X3 score
w--> 134 <210> SEQ ID NO: 4

194 <210> SEQ ID NO: 5

195 <211> LENGTH: 105

196 <212> TYPE: PRT

197 <213> ORGANISM: Homo sapiens

199 <400> SEQUENCE: 5

200 Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val

201 1 5 10 15

202 Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys

203 20 25 30

204 Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg

205 35 40 45

206 Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Cys His Pro Gly Ser

207 50 55 60

208 His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys

209 65 70 75 80

210 Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys

211 85 90 95

212 Ser Met Asp Leu Lys Asn Ile Asn Phe

213 100 105 <210> 6

214 <211> LENGTH: 315

215 <212> TYPE: DNA

216 <213> ORGANISM: Artificial Sequence

218 <220> FEATURE:

219 <223> OTHER INFORMATION: This degenerate sequence encodes the amino acid
 220 sequence of SEQ ID NO:5.

X3 score
w--> 222 <221> NAME/KEY: misc_feature

223 <222> LOCATION: (1)...(315)

224 <223> OTHER INFORMATION: n = A,T,C or G

X3 score
w--> 226 <210> SEQ ID NO:

X3 score
w--> 226 <400> 6

X3 score
w--> 227 atgmgnngng cnacnmgngt nwsnathatg ytnytnytn tnaacngtnws ngaytgygcn 60

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003
 TIME: 09:30:38

Input Set : A:\pto.pg.txt
 Output Set: N:\CRF4\10242003\J680755.raw

228 gtnathacng gngcntgyga rmgnaygtn cartgyggng cnggnacntg ytgygcnath 120
 229 wsnytntggy tnmgnggnyt nmgnatgtgy acnccnytng gnmgngargg ngargartgy 180
 230 cayccnggnw sncayaargt nccnttytly mgnaarmgna arcaycayac ntgycntgy 240
 231 ytnccnaaayy tnytntgyws nmgnattyccn gayggnmgnt aymgntgyws natggayyt 300
 232 aaraayatha aytyy 315

Xenee
 S--> 234 <210> SEQ ID NO: 7

235 <211> LENGTH: 16
 236 <212> TYPE: PRT

C--> 237 <213> ORGANISM: Arificial Sequence

239 <220> FEATURE:
 240 <223> OTHER INFORMATION: Peptide linker.

242 <400> SEQUENCE: 7

243 Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser |<210> 8
 244 1 5 10 15

245 <211> LENGTH: 10

246 <212> TYPE: PRT

247 <213> ORGANISM: Artificial Sequence

249 <220> FEATURE:

250 <223> OTHER INFORMATION: Motif.

W--> 252 <221> NAME/KEY: VARIANT

253 <222> LOCATION: (8)...(8)
 254 <223> OTHER INFORMATION: Xaa is Asp or Glu.

W--> 256 <221> VARIANT

257 <222> LOCATION: (9)...(9)
 258 <223> OTHER INFORMATION: Xaa is Lys or Arg.

W--> 260 <221> VARIANT

261 <222> LOCATION: (1)...(10)
 262 <223> OTHER INFORMATION: Xaa = Any Amino Acid

Xenee
 S--> 264 <210> SEQ ID NO:

W--> 264 <400> 8

W--> 265 Ala Val Ile Thr Gly Ala Cys Xaa Xaa Asp

266 1 5 10 |<210> 9

267 <211> LENGTH: 23

268 <212> TYPE: PRT

269 <213> ORGANISM: Artificial Sequence

271 <220> FEATURE:

272 <223> OTHER INFORMATION: Motif.

W--> 274 <221> NAME/KEY: VARIANT

275 <222> LOCATION: (4)...(4)
 276 <223> OTHER INFORMATION: Xaa is Gly or Leu.

W--> 278 <221> VARIANT

279 <222> LOCATION: (5)...(5)
 280 <223> OTHER INFORMATION: Xaa is Ser or Thr.

W--> 282 <221> VARIANT

283 <222> LOCATION: (6)...(6)
 284 <223> OTHER INFORMATION: Xaa is His or Arg.

W--> 286 <221> VARIANT

287 <222> LOCATION: (12)...(12)
 288 <223> OTHER INFORMATION: Xaa is any amino acid.

same

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003
TIME: 09:30:38

Input Set : A:\pto.pg.txt
Output Set: N:\CRF4\10242003\J680755.raw

W--> 290 <221> VARIANT
291 <222> LOCATION: (13)...(13)
292 <223> OTHER INFORMATION: Xaa is Lys or Arg.
W--> 294 <221> VARIANT
295 <222> LOCATION: (15)...(15)
296 <223> OTHER INFORMATION: Xaa is any amino acid.
S--> 298 <210> SEQ ID NO:
W--> 298 <400> 9
299 Cys His Pro Xaa Xaa Xaa Lys Val Pro Phe Phe Xaa Xaa Arg Xaa His
300 1 5 10 15
301 His Thr Cys Pro Cys Leu Pro
302 20 |<210> 10
303 <211> LENGTH: 6 *same error*
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Glu-Glu tag
S--> 310 <210> SEQ ID NO:
S--> 310 <400> SEQUENCE: 10
311 Glu Tyr Met Pro Met Glu
312 1 5
S--> 314 <210> SEQ ID NO: 11

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/680,755

DATE: 10/24/2003
TIME: 09:30:39

Input Set : A:\pto.pg.txt
Output Set: N:\CRF4\10242003\J680755.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:27 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L:122 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:126 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:126 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:126 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:2 differs:3
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=2
L:134 M:214 E: (33) Seq.# missing, SEQ ID NO:3
L:222 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:226 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:226 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:5 differs:6
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=5
L:234 M:214 E: (33) Seq.# missing, SEQ ID NO:6
L:237 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:252 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:256 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:264 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:264 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:264 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:8
L:265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:274 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:278 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:282 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:286 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:294 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:298 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:298 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:298 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:9
M:341 Repeated in SeqNo=7
L:310 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:310 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:7 differs:10
L:314 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 8 thru 10